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APPLICATION NO.	F	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/661,607	607 09/15/2003		Hidco Shimizu	242895US2SRD	8501
22850	7590	10/26/2006		EXAMINER	
C. IRVIN N			NGO, CHUONG D		
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314				ART UNIT	PAPER NUMBER
				2193	

DATE MAILED: 10/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/661,607	SHIMIZU ET AL.					
Office Action Summary	Examiner	Art Unit					
	Chuong D. Ngo	2193					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period was Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timulated the application to become ABANDONE!	. the mailing date of this communication. (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 18 Au	jaust 2006.						
<u>, </u>	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>1-19</u> is/are pending in the application.							
4a) Of the above claim(s) <u>15 and 16</u> is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>4-14</u> is/are allowed.							
6)⊠ Claim(s) <u>1-3 and 17-19</u> is/are rejected.							
7) ☐ Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examine	_						
•		ted to by the Evenines					
10)⊠ The drawing(s) filed on <u>15 September 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correcti							
11) The oath or declaration is objected to by the Ex							
Priority under 35 U.S.C. § 119	ammer. Note the attached Office	Action of form F 10-132.					
<u> </u>							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 							
							3. Copies of the certified copies of the prior
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
·							
Machine		. 🤊					
Attachment(s) Notice of References Cited (PTO-892)	. □ · · •	· (DTO 440)					
Plo Notice of References Cited (P10-892) Plo Notice of Draftsperson's Patent Drawing Review (PT0-948)	4) Interview Summary Paper No(s)/Mail Da						
B) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal Pa						
Paper No(s)/Mail Date <u>2 pages</u> .	6) Other:						

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DETAILED ACTION

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1. Applicant's election with traverse of invention I including claims 1-14 and 17-19 in the reply filed on 08/18/2006 is acknowledged. The traversal is on the ground(s) that a search and examination of the entire application would not place a serious burden on the examiner. This is not found persuasive because the inventions I and II are each required a different field search as they have acquired a separate status in the art as their different classification. The search required for one invention is not required for the other. Thus, it is a clear burden for the examiner to perform search and examination for both inventions. The requirement is still deemed proper and is therefore made FINAL.

- 2. Claims 15 and 16 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention.
- 3. Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As per claim 1, the claim is indefinite as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections and making the connections between claimed elements indefinite. See MPEP § 2172.01. Further, the inputs, the operation, and the output of the

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claimed apparatus are also indefinite as to how the inputs are received, operated, and how the output is obtained.

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

5. Claims 17-19 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 17-19 are directed to a computer implemented method of calculation in accordance with a mathematical algorithm. In order for a claimed invention that is directed to such a computer implemented method of calculation to be statutory, the claimed invention must accomplish a practical application. That is the claimed invention must transform an article or physical object to a different state or thing, or produce a useful, concrete and tangible result.

State Street, 149 F.3d at 1373-74, 47 USPQ2d at 1601-02. Also see "Interim Guidelines for Examination of Patent Applications for Patent Subject Matter Eligibility", OG Notices: 22

November 2005. It is clear from claims 17-19 that the claims merely involves calculations and manipulations of data in performing calculations. The claimed invention does not perform an article or physical object to a different state or thing. The input are numbers and the outputs are also numbers. The result of the invention is merely numerical values without a practical application recited in the claims to make it a real world result. Thus, the result is not tangible and useful. Therefore, the claimed invention is directed to non-statutory subject matter as the claims fails to assert a practical application to the invention.

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6. Claims 4-14 are allowed.

7. The prior art made of record and not relied upon is considered pertinent to applicant's

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disclosure.

8. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chuong D. Ngo whose telephone number is (571) 272-3731. The

examiner can normally be reached on Tuesday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

10/20/2006

Chuong D Ngo

Primary Examiner

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